

MATERIAL SAFETY DATA SHEET

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Scotts® MAXGUARD™ Insect Protection with Turf Builder® Fertilizer 24-3-10

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Scotts® MAXGUARD™ Insect Protection with Turf Builder® Fertilizer 24-3-10

PRODUCT DESCRIPTION: Lawn Fertilizer with Insect Control

MANUFACTURER

The Scotts Company
Earthgro - Hyponex - Miracle Gro - Scotts
Scotts Sierra - Swiss Farms
14111 Scottslawn Road
Marysville, OH 43041

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
International: 1-703-527-3887
Emergency Phone: 1-937-644-0011

EPA REG. NO.: 538-260 **PN:** S10297

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Bifenthrin	82657-04-3	None	None
Urea	57-13-6	None	None
Ammonium Sulfate	7783-20-2	None	None
Ammonium Phosphate	7722-76-1	None	None
Potassium Sulfate	7778-80-5	None	None
Ferrous Oxide (Iron Oxide)	1309-37-1	10 mg (Fe)/m3	5 mg (Fe)/m3
Manganese Oxide	1344-43-0	5 mg (Mn)/m3	5 mg (Mn)/m3

COMMENTS: The ACGIH Threshold Limit Values (TLV) for nuisance (inert) dusts containing < 1% crystalline silica and no asbestos are: 10 mg/m3 inhalable particulates and 3 mg/m3 respirable particulate. The OSHA TLV is 15 mg/m3 total dust, 5 mg/m3 respirable fraction.

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation. Harmful if absorbed through skin.

INGESTION: Harmful if swallowed.

INHALATION: Harmful if inhaled.

ROUTES OF ENTRY: Ingestion, skin, inhalation.

4. FIRST AID MEASURES

EYES: If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

SKIN: If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTES TO PHYSICIAN: This product is a pyrethroid. If large amounts have been ingested, milk, cream, or other digestible fats and oils may increase absorption and should be avoided.

ADDITIONAL INFORMATION: Wash thoroughly with soap and water after handling.

COMMENTS: See product label for specific First Aid Measures. The above measures are the most conservative - Pesticide Registration (PR) Notice 2000-3 - April 11, 2000 - and apply in the event a product label is not immediately available.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, CO₂, foam. Water will dilute and spread product.

EXPLOSION HAZARDS: In a fire, urea and methylene urea nitrogen sources can generate ammonia. Also, oxides of carbon, nitrogen, phosphorus, potassium and sulfur may be formed.

FIRE FIGHTING PROCEDURES: Contain run-off as active ingredient is toxic to aquatic organisms. Bifenthrin is considered to be highly toxic to, fish and aquatic invertebrates. Keep out of lakes, streams, ponds, tidal marshes, and estuaries. Do not contaminate water by cleaning of equipment or disposal of equipment wash water.

FIRE FIGHTING EQUIPMENT: Use self-contained air supply.

HAZARDOUS DECOMPOSITION PRODUCTS: In a fire, urea and methylene urea nitrogen sources can generate ammonia. Also, oxides of carbon, nitrogen, phosphorus, potassium and sulfur may be formed.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Sweep up spills. Use good housekeeping practices. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove to approved landfill.

7. HANDLING AND STORAGE

HANDLING: See label. Wash hands with soap and water after handling product. Avoid bag breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water when disposing of equipment wash waters. Do not contaminate feed or foodstuffs. Avoid contamination with oxidizing agents or strong alkali. KEEP OUT OF REACH OF CHILDREN.

STORAGE: See label. KEEP OUT OF REACH OF CHILDREN. Avoid container breakage. Store in cool, dry area in closed container or package. Keep away from feed or foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: See label. Protective eye wear is not required for normal product use. Wear appropriate eye protection in manufacturing situations where contact may result.

SKIN: See label. No special protective clothing is required under normal use conditions. Wear long-sleeved shirt, long pants, shoes, and socks when applying the product. After using this product, remove clothing and wash separately before reuse.

RESPIRATORY: If airborne dust levels are high, a dust mask is recommended to avoid inhalation.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Granular

SPECIFIC GRAVITY: 0.753

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Acids and bases.

STABILITY: Stable

POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: In a fire, urea and methylene urea nitrogen sources can generate ammonia. Also, oxides of carbon, nitrogen, phosphorus, potassium and sulfur may be formed.

INCOMPATIBLE MATERIALS: None known.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY:

CARCINOGENICITY COMMENTS: The EPA has classified bifenthrin as a Group C carcinogen. Bifenthrin is not considered carcinogenic by OSHA, IARC, and NTP.

GENERAL COMMENTS: Eye contact with urea powder has caused reversible corneal opacity along with irritation, tearing, and blinking as a foreign body in the eye. Skin contact with powdered urea may cause only mild irritation while ingestion may cause nausea, vomiting, and possible excitement and convulsions. High concentrations of dusts may cause upper respiratory tract irritation with coughing, nasal discharge, sore throat sneezing and shortness of breath. There is no data available regarding potential carcinogenic effect to humans following exposure to urea. Existing data regarding the mutagenic effects of urea are inconclusive.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product is toxic to fish. Keep out of lakes, streams, and ponds. Do not contaminate water sources by cleaning of equipment or disposal of wastes.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Securely wrap original container in several layers of newspaper and discard in trash. Do not reuse container.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not DOT regulated.

MARINE POLLUTANT #1: Bifenthrin: Severe Marine Pollutant

COMMENTS: The transportation information shown may not apply to all shipping situations. Consult 49 CFR or appropriate Dangerous Goods Regulations for additional description requirements and mode-specific or quantity-specific shipping regulations.

15. REGULATORY INFORMATION

GENERAL COMMENTS: Contact local authorities for proper disposal of large quantities of unused fertilizer.

16. OTHER INFORMATION

REVISION SUMMARY Revision #: 2

This MSDS replaces the July 24, 2001 MSDS. Any changes in information are as follows:

In Section 3

Physical Appearance

In Section 4

Additional Information Notes to Physician Section 4 Footnotes
In Section 8
Skin Protection Eyes-Face Protection
In Section 14
DOT Marine Pollutant #1

NFPA CODES

HEALTH: 1 FIRE: 1 REACTIVITY: 1

MANUFACTURER DISCLAIMER: The information contained herein is, to the best of the Manufacturer's (see Section 1) knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

COMMENTS: Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.